IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: SCHLEISS et al.	) I hereby certify that this paper is being
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Serial No.: 09/902,201	) Service, first class postage prepaid,
	) addressed to: Mail Stop RCE,
Title: Transactional Data Communications	) Commissioner for Patents, P.O. Box 1450,
for Process Control Systems	) Alexandria, Virginia 22313-1450, on the
	) date indicated:
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	)
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	) Date
Examiner: Nguyen, Phuoc H.	)
	)
Atty. Docket Number: 06005/37169	)
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Customer No.: 04743	) Registration No. 48,801
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DECLARATION OF CHRISTOPHER FELTS PURSUANT TO 37 C.F.R. § 1.131

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Christopher Felts hereby states as follows:

1.   I am a named co-inventor of the subject matter claimed in the above-identified patent application ("the patent application").

2.   I make this declaration for the purpose of providing evidence that the system or method for communicating transactional process control information, as recited in the claims of the patent application, was in our possession at least as early as the May 24, 2001 filing date of Dodge et al., U.S. Patent No. 6,795,778.

3.   Attached hereto as Attachment A is a document dated at least as early as May 24, 2001. Portions of the attachment have been redacted, including redactions to remove date information. Page numbers have been added for convenience.

4.   Attachment A is entitled "DeltaV EasyIT" and illustrates an example of a method of communicating information within an enterprise having a process control system and a plurality of information technology systems, as recited by claim 1.

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5.   Attachment A was prepared in the United States and has been maintained as a business record in the normal course of business.

6.   Attached hereto as Attachment B is a document dated at least as early as May 24, 2001. Portions of the attachment have been redacted, including redactions to remove date information.

7.   Attachment B is entitled "Enterprise Optimization Is Here At Last – Answering Today's Problems with OPC, XML, Biztalk, and Easy-IT" and illustrates an example of a method of communicating information within an enterprise having a process control system and a plurality of information technology systems, as recited by claim 1.

8.   Attachment B was prepared in the United States and has been maintained as a business record in the normal course of business.

9.   Pages 33 and 69 of Attachment A and pages 9 and 18 of Attachment B illustrate that transactional process control information (e.g., device alert information) was generated. The device alert information related to a transactional event within a process control system (e.g., maintenance alert for a plugged sensor of an intelligent field device).

10.   Pages 35 and 51-54 of Attachment A and pages 11 and 16-18 of Attachment B illustrate that the transactional process control information (e.g., device alert information) was formatted based on a first extensible markup language schema (e.g., device alert schema, input schema; XML schema; inbound schema) to form formatted transactional process control information.

11.   Pages 46, 47, 49 and 50 of Attachment A and pages 9-11, 13, 14 and 18 of Attachment B illustrate that the formatted transactional process control information was sent to a transactional information server (e.g., BizTalk Server; XML transaction server) via a web services interface (e.g., different transport services are supported including HTTP, etc.; data communication over the World Wide Web; Internet communications).

12.   Pages 54-57 and 73-75 of Attachment A and pages 16-18 of Attachment B illustrate that the formatted transactional process control information was mapped to a second extensible markup language schema (e.g., output schema; transformation of an inbound schema to an outbound schema) associated with one of a plurality of information technology systems (e.g., maintenance system; Computerized Maintenance Management System (CMMS)) to form mapped transactional process control information.

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13.   Pages 46, 47, 49, 50, 54-57 and 67 of Attachment A and pages 9, 10 and 16-18 of Attachment B illustrate that the mapped transactional process control information was sent to a first one of the plurality of information technology systems (e.g., maintenance system; CMMS) to use the mapped transactional process control information to perform a function related to the transactional event (e.g., work order).

14.   Attachments A and B demonstrate our possession of a method of communicating information within an enterprise having a process control system and a plurality of information technology systems, as recited by claim 1 in the above identified patent application, at least as early as May 24, 2001.

15.   Attachments A and B also depict an example of a system for use in an enterprise having a plurality of information technology systems, as recited by claim 10.

16.   Pages 35, 47, 51-57 and 70 of Attachment A and pages 11 and 16-18 of Attachment B illustrate that a process control system (e.g., control system; automation system) was adapted to format transactional process control information (e.g., device alert information) based on an extensible markup language (e.g., XML) and a plurality of input schemas (e.g., device alert schema; input schema; XML schema; inbound schema). Each of the plurality of input schemas was associated with a type of transactional process control information related to a transactional event within the process control system (e.g., device alert schema).

17.   Pages 46, 47, 49 and 50 of Attachment A and pages 9-11, 13, 14 and 18 of Attachment B illustrate that a web services interface was communicatively coupled to the process control system (e.g., different transport services are supported including HTTP, etc.; data communication over the World Wide Web; Internet communications).

18.   Pages 46, 47, 49, 50, 54-57, 67 and 73-75 of Attachment A and pages 9-11, 13, 14 and 16-18 of Attachment B illustrate a transactional data server (e.g., BizTalk Server; XML transaction server). The transactional data server was communicatively coupled to the web services interface (e.g., different transport services are supported including HTTP, etc.; data communication over the World Wide Web; Internet communications) and a plurality of information technology systems (e.g., maintenance system; CMMS). The transactional data server was adapted to map transactional process control information that had been formatted based on the extensible markup language and the plurality of input schemas to a plurality of output schemas (e.g., output schema, transformation of an inbound schema to an outbound

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schema). Each of the plurality of output schemas was associated with an application that is executed within one of the plurality of information technology systems (e.g., BizTalk server maps data between applications; CMMS application). The transactional data server was further adapted to send mapped transactional process control information to one of the plurality of information technology systems (e.g., maintenance system, CMMS) to use the mapped transactional process control information to perform a function related to the transactional event (e.g., work order).

19.   Attachments A and B demonstrate our possession of a system for use in an enterprise having a plurality of information technology systems, as recited by claim 10 in the above identified patent application, at least as early as May 24, 2001.

20.   Attachments A and B also depict an example of a method of processing transactional process control data, as recited by claim 17.

21.   Pages 35 and 51-54 of Attachment A and pages 11 and 16-18 of Attachment B illustrate that transactional process control data (e.g., device alert information) was wrapped in an XML wrapper (e.g., device alert schema, input schema, XML schema, inbound schema) to form XML wrapped transactional process control data related to a transactional event within the process control system (e.g., maintenance alert for a plugged sensor).

22.   Pages 46, 47, 49 and 50 of Attachment A and pages 9-11, 13, 14 and 18 of Attachment B illustrate that the XML wrapped transactional process control data was sent via a web services interface and a communication network (different transport services are supported including HTTP, etc.; Internet communications) to an XML data server (e.g., BizTalk Server; XML transaction server).

23.   Pages 54-57 and 73-75 of Attachment A and pages 16-18 of Attachment B illustrate that the XML wrapped transactional process control data was mapped to an XML output schema (e.g., output schema; transformation of an inbound schema to an outbound schema) associated with one of a plurality of information systems (e.g., maintenance system, CMMS) that were communicatively coupled to the communication network (e.g., Internet) to form mapped XML transactional process control data.

24.   Pages 46, 47, 49, 50, 54-57 and 67 of Attachment A and pages 9, 10, 16-18 of Attachment B illustrate that the mapped XML transactional process control data was sent to the one of the plurality of information systems (e.g., maintenance system, CMMS) via the

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communication network (e.g., Internet) to use the mapped transactional process control data to perform a function related to the transactional event (e.g., work order).

25.   Attachments A and B demonstrate our possession of a method of processing transactional process control data, as recited by claim 17 in the above identified patent application, at least as early as May 24, 2001.

26.   Attachments A and B further depict an example of a method of processing transactional process control data, as recited by claim 22.

27.   Pages 35 and 51-54 of Attachment A and pages 11 and 16-18 of Attachment B illustrate that the transactional process control data (e.g., device alert information) was encapsulated in a markup language wrapper (e.g., device alert schema; input schema; XML schema; inbound schema) to form encapsulated transactional process control data related to a transactional event (e.g., device alert) within a process control system.

28.   Pages 46, 47, 49 and 50 of Attachment A and pages 9-11, 13, 14 and 18 of Attachment B illustrate that the encapsulated transactional process control data was sent via a web services interface and a communication network (e.g., different transport services are supported including HTTP, etc.; Internet communications) to a markup language data server (e.g., BizTalk Server; XML transaction server).

29.   Pages 6, 54-57 and 73-75 of Attachment A and pages 5, 16-18 of Attachment B illustrate that the encapsulated transactional process control data was mapped to an output schema (e.g., output schema, transformation of an inbound schema to an outbound schema) associated with one of an enterprise resource planning system (e.g., ERP) and a manufacturing execution system (e.g., MES, CMMS) to form mapped transactional process control data.

30.   Pages 6, 46, 47, 49, 50, 54-57 and 67 of Attachment A and pages 5, 9, 10 and 16-18 of Attachment B illustrate that the mapped transactional process control data was sent to the one of the enterprise resource planning system (e.g., ERP) and the manufacturing execution system (e.g., MES; CMMS) to use the mapped transactional process control data to perform a function related to the transactional event (e.g., work order).

31.   Attachments A and B demonstrate our possession of a method of processing transactional process control data, as recited by claim 22 in the above identified patent application, at least as early as May 24, 2001.

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32.   Attachments A and B further depict an example of a method of communicating transactional process control information within an enterprise, as recited by claim 27.

33.   Pages 35 and 51-54 of Attachment A and pages 11 and 16-18 of Attachment B illustrate that the transactional process control information (e.g., device alert information) was formatted based on a first extensible markup language schema (e.g., device alert schema, input schema, XML schema; inbound schema) to form formatted transactional process control information related to a transactional event (e.g., maintenance alert for a plugged sensor of an intelligent field device).

34.   Pages 46, 47, 49 and 50 of Attachment A and pages 9-11, 13, 14 and 18 of Attachment B illustrate that the formatted transactional process control information was sent to a transactional information server (e.g., BizTalk Server; XML transaction server).

35.   Pages 54-57 and 73-75 of Attachment A and pages 11 and 16-18 of Attachment B illustrate that the formatted transactional process control information was mapped to a second extensible markup schema associated with a process control system (e.g., automated system; plant) to form mapped transactional process control information (e.g., transactions at the enterprise level could use the application to send XML based information to the plant; bi-directional).

36.   Pages 46, 47, 49, 50, 54-57 and 67 of Attachment A and pages 9-11, 13, 14 and 16-18 of Attachment B illustrate that the mapped transactional process control information was sent to the process control system (e.g., automated system; plant) via a web services interface (e.g., different transport services are supported including HTTP, etc.; Internet communications) to use the mapped transactional process control information to perform a function related to the transactional event (e.g., work order).

37.   Attachment A demonstrates our possession of a method of communicating transactional process control information within an enterprise, as recited by claim 27 in the above identified patent application, at least as early as May 24, 2001.

38.   Attachments A and B further depict an example of a method of processing a device alarm for use within an enterprise including a process control system and a maintenance management system, as recited by claim 31.

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39.   Pages 35 and 51-54 of Attachment A and pages 11 and 16-18 of Attachment B illustrate that the device alarm (e.g., device alert) was formatted based on an XML input schema (e.g., device alert schema, input schema, inbound schema) to form an XML device alarm.

40.   Pages 46, 47, 49 and 50 of Attachment A and pages 9-11, 13, 14 and 18 of Attachment B illustrate that the XML device alarm was sent to an XML transaction server (e.g., BizTalk Server; XML transaction server).

41.   Pages 54-57 and 73-75 of Attachment A and pages 11 and 16-18 of Attachment B illustrate that the XML device alarm was mapped to an XML output schema (e.g., output schema; transformation of an inbound schema to an outbound schema) associated with the maintenance management system (e.g., maintenance system, CMMS) to form a mapped XML device alarm.

42.   Pages 46, 47, 49, 50, 54-57 and 67 of Attachment A and pages 9, 10 and 16-18 of Attachment B illustrate that the mapped XML device alarm was sent to the maintenance management system (e.g., maintenance system, CMMS) to use the mapped XML device alarm to perform a function related to the device alarm (e.g., work order).

43.   Attachments A and B demonstrate our possession of a method of processing a device alarm for use within an enterprise including a process control system and a maintenance management system, as recited by claim 31 in the above identified patent application, at least as early as May 24, 2001.

44.   Attachments A and B further depict an example of a method of processing equipment condition information for use within an enterprise including a process control system and an information technology system, as recited by claim 32.

45.   Pages 35, 51-54 and 64 of Attachment A and pages 10, 11 and 16-18 of Attachment B illustrate that the equipment condition information (e.g., historical data; status of plant equipment; intelligent field device) was formatted based on an XML input schema (e.g., XML schema; inbound schema) to form an XML message.

46.   Pages 54-57 and 73-75 of Attachment A and pages 16-18 of Attachment B illustrate that the XML message was mapped to an XML output schema (e.g., output schema, transformation of an inbound schema to an outbound schema) associated with the information technology system (e.g., maintenance system; CMMS) to form a mapped XML message.

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47.   Pages 46, 47, 49, 50, 54-57 and 67 of Attachment A and pages 9, 10 and 16-18 of Attachment B illustrate that the mapped XML message was sent to the information technology system (e.g., maintenance system; CMMS) to use the mapped XML message to perform a function related to the message (e.g., work order).

48.   Attachments A and B demonstrate our possession of a method of processing equipment condition information for use within an enterprise including a process control system and an information technology system, as recited by claim 32 in the above identified patent application, at least as early as May 24, 2001.

49.   Attachments A and B further depict an example of a method of processing process condition information for use within an enterprise including a process control system and an information technology system, as recited by claim 33.

50.   Pages 35, 47 and 51-54 of Attachment A and pages 10, 11 and 16-18 of Attachment B illustrate that the process condition information (e.g., production control; production schedule data; production data) was formatted based on an XML input schema (e.g., input schema, XML schema, inbound schema) to form an XML message.

51.   Pages 54-57 and 73-75 of Attachment A and pages 16-18 of Attachment B illustrate that the XML message was mapped to an XML output schema (e.g., output schema; transformation of an inbound schema to an outbound schema) associated with the information technology system (e.g., maintenance system; CMMS; production scheduling) to form a mapped XML message.

52.   Pages 46, 47, 49, 50, 54-57 and 67 of Attachment A and pages 9, 10 and 16-18 of Attachment B illustrate that the mapped XML message was sent to the information technology system (e.g., maintenance system; CMMS; production scheduling) to use the mapped XML message to perform a function related to the message (e.g., work order; production scheduling).

53.   Attachments A and B demonstrate our possession of a method of processing process condition information for use within an enterprise including a process control system and an information technology system, as recited by claim 33 in the above identified patent application, at least as early as May 24, 2001.

54.   I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that

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these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the above-referenced patent application and any patent issued therefrom.

Date: MAY 9, 2006   By: _____

Christopher Felts